

## Message Text

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INFO OCT-01 IO-14 ISO-00 SCI-06 AGR-20 SWF-02 EB-11 L-03

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APPROVED BY SCI:HDBREWSTER

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FM SECSTATE WASHDC

TO USMISSION IAEA VIENNA PRIORITY

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E.O. 11652: N/A

TAGS: AORG,AFW,IAEA

SUBJECT: IAEA PROGRAM FOR 1975-80 (GOV/1656, GOV/COM 9/96)

REF: A. IAEA VIENNA 2229; B. IAEA VIENNA 2869; C. STATE 68364

1. SUMMARY: FOLLOWING ARE ADDITIONAL DETAILED PROGRAMMATIC COMMENTS ON IAEA'S PROPOSED 1975-80 PROGRAM ON SECTIONS NOT COVERED IN REF (C), FOR USE AT A&B COMMITTEE MEETING APRIL 8 AND/OR FOR ATTENTION APPROPRIATE IAEA STAFF.

2. SECTION D. FOOD AND ALRICULTURE

A. GENERAL - AGENCY SHOULD BE COMMENDED FOR EFFORT TO CONCENTRATE PROGRAM ACTIVITIES TOWARD FEWER COMPONENTS, WHICH SHOULD RESULT IN MORE INTENSE, COHERENT AND PRODUCTIVE IMPACT ON REMAINING OBJECTIVES. ALSO COMMENDABLE IS INCREASED CLARITY OF PRESENTATION THROUGH PROVISION OF MORE DETAILS. PROGRAM UNCLASSIFIED

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MAY NOW BE CHARACTERIZED AS GENERALLY SOLID AND WELL BALANCED,

CONCERNED WITH MORE OBVIOUS ISOTOPE APPLICATIONS AND UTILIZING STANDART APPROACHES OF RESEARCH CONTRACTS, SYMPOSIA, WORK-SHOPS, FELLOWSHIPS, ETC.

B. D. 24-29 - SUPPORT OF STUDIES RE N15 LABELLED FERTILIZER FOR LEGUMES IS QUESTIONABLE. RECENT US WORK GROWING SOYBEANS IN CO2 ENRICHED ATMOSPHERE RESULTS IN YEILDS 130-140 BUSHEL/ACRE WITHOUT SUPPLEMENTAL NITROGEN, INDICATING SYMBIOTIC MECHANISM CAPABLE OF SUPPLYING NITROGEN AT RATE FAR EXCEEDING DEMAND OF CURRENT YIELDS. CONSIDERING ENERGY SITUATION, COST OF NITROGEN, WORLD FOOD SHORTAGES AND LOGICAL USE OF NITROGEN FOR NON-LEGUMINOUS CROPS, RATIONALE FOR SUPPORTING THIS PROJECT SHOULD BE RECONSIDERED.

C. D. 43-48 - PARTICULARLY PROMISING AND INNOVATIVE ARE EFFORTS ASSOCIATED WITH IMPROVEMENT GRAIN PROTEIN CONTENT.

D. D. 74-79 - EFFORTS TO PRODUCE RADITATION-ALLEVIATED VACCINES FOR PARASITIC AND NON-PARASITIC DISEASES MERIT SUPPORT.

E. D. 132 - ENCOURAGE EXPLOITING AGENCY/FAO AGREEMENT WITH NETHERLANDS FOR ESTABLISHING INTERNATIONAL FOOD IRRADIATION FACILITY TO FOSTER RESEARCH, DEVELOPMENT AND TRAINING RELATED TO PRACTICAL PROBLEMS IN TECHNOLOGY, ECONOMICS AND COMMERCIALIZATION OF IRRADIATED FOODS. AGENCY STAFF SUPPORT FOR THIS FACILITY WOULD BE MAJOR CONTRIBUTION TO PROGRESS IN WHOLE-SOMENESS ASSESSMENT.

F. D. 132 - MORE DETAIL DESIRABLE TO ENABLE EVALUATION PLANS FOR ANNUAL ADVISORY GROUP MEETINGS ON ASIA REGIONAL PROJECT AND 1975 ADVISORY GROUP ON TECHNICAL AND ECONOMIC FEASIBILITY OF FOOD IRRADIATION.

G. D. 136 - 141 - PLANS TO HELP ACHIEVE PUBLIC HEALTH ACCEPTANCE UVND RESOLVE LEGAL ASPECTS FOOD IRRADIATION MERIT HIGH PRIORITY.

### 3. SECTION E. LIFE SCIENCES

A. GENERAL - WOULD BE DESIRABLE FOR CITATIONS OF COLLABORATIVE UNCLASSIFIED

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EFFORTS WITH WHO TO INCLUDE INFORMATION ON WHO ROLE AND FINANCIAL SUPPORT.

B. E. 12-39 - REQUEST CLARIFICATION OF DISPARITY IN MANPOWER BETWEEN MEDICAL APPLICATIONS (3.4 MAN YEARS) AND RADIOATION BIOLOGY (6.3 MAN YEARS) DESPITE VIRTUALLY EQUIVALENT PROGRAM COSTS THESE SUBPROGRAMS. JUSTIFICATION NOT APPARENT FROM PROJECTED PROGRAM PLANS FOR MEDICAL APPLICATIONS, CONCERNING WHICH

AGENCY SHOULD TAKE CARE NOT RELEGATE ITS ROLE TO WHO.

C. E. 55-60 - SECONDARY STANDARDS DOSIMETRY LABS MERIT SUPPORT PER STATE 023975, 12/15/73, WHICH ALSO STATED US WILLINGNESS CONSIDER REQUESTS FOR EQUIPMENT AND EXPERT SERVICES.

D. E. 61-66 - APPLICATION OF COMPUTER SYSTEMS IMPORTANT IN DOSIMERTY, ESPECIALLY FOR PRODUCTION ISODOSE CHARTS USEFUL IN LDC'S WHERE EXPERTISE UNAVAILABLE.

E. E. 72-76 - RADIATION BIOLOGY PROGRAM CONTAINS LITTLE ON SOMATIC OR GENETIC EFFECTS, UNDERSTANDABLY DUE TO COSTS USUALLY INVOLVED. RECENT DEVELOPMENTS IN HUMAN CELL CULTURE TECHNIQUES PERMIT INEXPENSIVE TESTING FOR ONCOGENIC TRANSFORMATION AND SOMATI: MUTATIONS, BOTH IMPORTANT ENDPOINTS FOR ENVIRONMENTAL IMPACTS ON LIVING SYSTEMS, AND BUDGET MIGHT PERMIT BEGINNING SUCH WORK ON SMALL SCALE.

F. E. 79-84 - RADIATION STERILIZATION OF MEDICAL PRODUCTS IS SERIOUS CONCERN OF MANY MEMBERS AND SHOULD BE SUPPORTED AND COOPERATION WITH WHO MAINTAINED.

G. E. 85-90 - WORK ON AGRICULTURAL AND INDUSTRIAL WASTE MAY NEED EXPANSION OVER 1976-80 AS MORE NATIONS EMPHASIZE CONSERVATION OF MATERIALS. SUGGEST AGENCY CONSIDER BROADLY WHAT IT CAN DO RE CONSERVATION NATURAL RESOURCES.

H. E. 103-108 - SUGGESTIONS FOR AGENCY STAFF USE BEING TRANSMITTED SEPARATELY.

#### 4. SECTION K INTERNATIONAL LABORATORY OF MARINE RADIOACTIVITY

A. GENERAL - ALL PROGRAMS HAVE WORTHWHILE OBJECTIVES AND UNCLASSIFIED

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REASONABLE PLANS FOR FUTURE WORK.

B. K. 10-14 - EFFORTS RE LAB INTERCALIBRATION ON RADIOASSAYS HAVE BROAD VALUS.

C. K. 15-19 - STUDIES ON EFFECTS OF BIOCIDES USED IN REACTOR COOLING WATERS WILL BE USEFUL IN ASSESSING ENVIRONMENTAL IMPACTS OF POWER REACTORS.

#### 5. SECTION J. NUCLEAR SAFETY AND ENVIRONMENTAL PROGTECTION - WASTE MANAGEMENT SUB PROGRAM (COMMENTS ON OTHER SUBPROGRAMS IN REF (C).

A. J. 64, 67, 84 - SUGGEST MISSION STRONGLY REITERATE TO APPROPRIATE AGENCY STAFF U.S. OBJECTION TO USE OF PHRASE

QUOTE DISCHARGE OF RADIOACTIVE WASTE INTO ENVIRONMENT UNQUOTE,  
WHICH HAS CAUSED SO MUCH PUBLIC CONCERN IN MANY COUNTRIES,  
-,\$ 43173 5 7 -&3 7:# - 17953 RELEASES OF RADIONUCLIDES AND  
OTHER CONTAMINANTS UNQUOTE

B. J. 73 - UNDERSTAND WORKING GROUP REFERRED  
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